

THE BUTTERFLIES OF MISSISSIPPI—  
SUPPLEMENT NO. 3<sup>1</sup>

BRYANT MATHER<sup>2</sup> AND KATHARINE MATHER

213 Mt. Salus Road, Clinton, Mississippi 39056

**ABSTRACT.** An annotated list of Mississippi butterflies is presented. This updated version is the fifth such list published. Six names additional to the previous lists have been included.

Of the five published lists of Mississippi butterflies, this is the first to use the names and arrangement of Miller and Brown (1981) as amended by them in Hodges (Editor) (1983). It includes six names not included in the fourth list (Mather & Mather, 1976). The growth rate has dropped to fewer than one per year as indicated in Table 1 below:

TABLE 1. Published lists of Mississippi butterflies, showing rate of increase in the addition of names previously unrecorded from the state.

List	Reference	Names	Time interval	Names added	Names added per year
1	Weed (1894)	53	—	—	—
2	Hutchins (1933)	73	39	20	0.5
3	M. & M. (1958)	122	25	49	1.9
4	M. & M. (1976)	144	18	22	1.2
5	M. & M. (1984)	150	8	6	0.75

In 1958 we expressed the opinion that the list would grow to include about 160 names. We also said, "there may be cases in which the Mississippi representatives of a given species represent more than one population; if so, we do not believe that we as yet have adequate data to support such a conclusion." Now we do. Our reasons for adding the six names are summarized below.

1. *Papilio glaucus australis* Maynard. In 1958, we noted that Professor R. L. Chermock had told us that the south Alabama *glaucus* population was referable to *australis*. We now have sufficient material from south Mississippi to come to the same conclusion about the population there.

2. *Papilio troilus ilioneus* J. E. Smith. In 1958, on the advice of Mr. Cyril F. dos Passos, we referred the Mississippi population to the subspecies. Before 1976, Mr. Harry K. Clench examined a long series and concluded that the correct referral was to the nominate subspecies. We

<sup>1</sup> Contribution No. 589, Bureau of Entomology, Division of Plant Industry, Florida Department of Agriculture and Consumer Services, Gainesville, Florida 32602.

<sup>2</sup> Research Associate, Florida State Collection of Arthropods.

therefore used that name in the 1976 list. We are now of the opinion that both subspecies are present. This view tends to be supported by the treatment of *texanus* Ehrmann, type locality Houston, Texas as a synonym of *ilioneus* J. E. Smith, type locality Georgia.

3. *Basilarchia archippus floridensis* (Strecker). In 1958 we assigned the Mississippi population to *B. a. watsoni* (dos Passos) on the advice of Mr. dos Passos. We also noted that a specimen from Harrison Co. in the collection at the University of Missouri at Columbia had been determined as *B. a. floridensis* by Harold I. O'Byrne, while another, from Tishomingo Co., in the Los Angeles County Museum had been determined as *B. a. archippus* by J. A. Comstock. We now believe that both *B. a. watsoni* and *B. a. floridensis* populations are present in Mississippi.

4. *Asterocampa alicia* (W. H. Edwards). In 1958 we assigned the Mississippi population to *A. celtis alicia*, type locality New Orleans, La., on the advice of Mr. dos Passos, in spite of the fact it was recognized by him that the majority of the specimens in the sample he had seen resembled *A. c. celtis*, type locality Georgia. In 1975, Howe elevated *alicia* to species status based on unpublished work by W. J. Reinthal. If *celtis* and *alicia* are not conspecific, then the population in Mississippi nearest to New Orleans must be assigned to *alicia* and the remainder (superficially indistinguishable from *celtis*) assigned to it.

5. *Asterocampa flora* (W. H. Edwards). Although in 1958 our Mississippi sample included material resembling *flora*, type locality Palatka, Florida, we called the population *A. c. clyton*, type locality Georgia, on the advice of Mr. dos Passos, who expressed the view that the name *flora* should be restricted to the Florida population. Howe (1975) also elevated *flora* to species status, based on unpublished work by Reinthal and gave its distribution as "Southern Georgia, Florida, Gulf States, and Texas." We thus assign the material that resembles *flora* (coming from the southern third of Mississippi) to *flora* and that resembling *clyton* (coming from north of there) to *clyton*.

6. *Cercyonis pegala alope* (Fabricius). In 1958, only a few records were known, primarily from the southern part of the state. In 1976, it was clear that this material belonged to the subspecies named *abbotti* by F. M. Brown in 1969. In 1979, David Hess examined all available Mississippi material and determined a series from northern Mississippi (Tippah Co.) as *C. p. alope*, while those from the southern part of the state remained *C. p. abbotti*.

The revised check list, including the six additional names, using the names and sequence as given by Miller and Brown (1981) as amended by them in Hodges et al. (1983) follows:

1. 3870. *Epargyreus clarus clarus* (Cramer)
2. 3886. *Urbanus proteus* (Linnaeus)
3. 3889. *Urbanus dorantes dorantes* (Stoll)
4. 3902. *Autochton cellus* (Boisduval and Leconte)
5. 3904. *Achalarus lyciades* (Geyer)
6. 3909. *Thorybes bathyllus* (J. E. Smith)
7. 3910. *Thorybes pylades* (Scudder)
8. 3913. *Thorybes confusis* Bell
9. 3932. *Staphylus hayhurstii* (W. H. Edwards)
10. 3946. *Erynnis brizo brizo* (Boisduval and Leconte)
11. 3947. *Erynnis juvenalis juvenalis* (Fabricius)
12. 3952. *Erynnis horatius* (Scudder and Burgess)
13. 3954. *Erynnis martialis* (Scudder)
14. 3956. *Erynnis zarucco* (Lucas)
15. 3957. *Erynnis funeralis* (Scudder and Burgess)
16. 3959. *Erynnis baptisiae* (Forbes)
17. 3966. *Pyrgus communis* (Grote)
18. 3968. *Pyrgus oileus* (Linnaeus)
19. 3977. *Pholisora catullus* (Fabricius)
20. 3993. *Nastra lherminier* (Latreille)
21. 3995. *Nastra neamathla* (Skinner and R. C. Williams)
22. 3998. *Lerema accius* (J. E. Smith)
23. 4004. *Ancyloxypha numitor* (Fabricius)
24. 4010. *Copaeodes minimus* (W. H. Edwards)
25. 4013. *Hylephila phyleus* (Drury)
26. 4027a. *Hesperia metea licinus* (W. H. Edwards)
27. 4029. *Hesperia attalus attalus* (W. H. Edwards)
28. 4041. *Polites themistocles* (Latreille)
29. 4042. *Polites origenes origenes* (Fabricius)
30. 4045. *Polites vibex vibex* (Geyer)
31. 4046. *Wallengrenia otho* (J. E. Smith)
32. 4047. *Wallengrenia egeremet* (Scudder)
33. 4048. *Pompeius verna* (W. H. Edwards)
34. 4049a. *Atalopedes campestris huron* (W. H. Edwards)
35. 4050. *Atrytone arogos arogos* (Boisduval and Leconte)
36. 4051. *Atrytone delaware delaware* (W. H. Edwards)
37. 4052. *Problema byssus byssus* (W. H. Edwards)
38. 4059. *Poanes hobomok* (Harris)
39. 4060. *Poanes zabulon* (Boisduval and Leconte)
40. 4063. *Poanes yehl* (Skinner)
41. 4064a. *Poanes viator zizaniae* Shapiro
42. 4070. *Euphyes arpa* (Boisduval and Leconte)
43. 4071. *Euphyes pilatka* (W. H. Edwards)
44. 4073. *Euphyes alabamae* (Lindsey)
45. 4074. *Euphyes dukesi* (Lindsey)
46. 4078a. *Euphyes ruricola metacomet* (Harris)
47. 4080. *Atrytonopsis hianna hianna* (Scudder)
48. 4084. *Atrytonopsis loammi* (Whitney)
49. 4096. *Amblyscirtes hegon* (Scudder)
50. 4099. *Amblyscirtes aesculapius* (Fabricius)
51. 4100. *Amblyscirtes carolina* (Skinner)
52. 4101. *Amblyscirtes reversa* (F. M. Jones)
53. 4105. *Amblyscirtes vialis* (W. H. Edwards)
54. 4107. *Amblyscirtes belli* H. A. Freeman
55. 4108. *Amblyscirtes alternata* (Grote and Robinson)
56. 4111. *Lerodea eufala* (W. H. Edwards)
57. 4114. *Oligoria maculata* (W. H. Edwards)

58. 4115. *Calpododes ethlius* (Stoll)  
59. 4116. *Panoquina panoquin* (Scudder)  
60. 4119. *Panoquina ocola* (W. H. Edwards)  
61. 4145. *Megathymus yuccae yuccae* (Boisduval and Leconte)  
62. 4157. *Battus philenor philenor* (Linnaeus)  
63. 4159a. *Papilio polyxenes asterius* Stoll  
64. 4170. *Papilio cresphontes cresphontes* Cramer  
65. 4176. *Papilio glaucus glaucus* Linnaeus  
66. 4176b. *Papilio glaucus australis* Maynard  
67. 4181. *Papilio troilus troilus* Linnaeus  
68. 4181a. *Papilio troilus ilioneus* J. E. Smith  
69. 4182. *Papilio palamedes* Drury  
70. 4184. *Eurytides marcellus* Cramer  
71. 4193. *Pontia protodice* (Boisduval and Leconte)  
72. 4197. *Artogeia rapae* (Linnaeus)  
73. 4198a. *Ascia monuste phileta* (Fabricius)  
74. 4207. *Falcapica midea midea* (Hübner)  
75. 4209. *Colias philodice philodice* Godart  
76. 4210. *Colias eurytheme* Boisduval  
77. 4224. *Zerene cesonia* (Stoll)  
78. 4227a. *Anteos maerula lacordairei* (Boisduval)  
79. 4228a. *Phoebis sennae eubule* (Linnaeus)  
80. 4229. *Phoebis philea* (Johansson)  
81. 4237. *Eurema lisa* Boisduval and Leconte  
82. 4242. *Eurema nicippe* (Cramer)  
83. 4243. *Eurema दौरा* (Godart)  
84. 4246. *Eurema mexicanum* (Boisduval)  
85. 4248. *Nathalis iole* Boisduval  
86. 4249. *Feniseca tarquinius tarquinius* (Fabricius)  
87. 4256. *Hyllolycaena hyllus* (Cramer)  
88. 4268a. *Eumaeus atala florida* Röber  
89. 4270. *Atlides halesus halesus* (Cramer)  
90. 4275a. *Harkenclenus titus mopsus* (Hübner)  
91. 4282a. *Satyrium calanus falacer* (Godart)  
92. 4284. *Satyrium kingi* (Klots and Clench)  
93. 4285a. *Satyrium liparops strigosum* (Harris)  
94. 4299. *Calycopis cecrops* (Fabricius)  
95. 4300. *Calycopis isobeon* (Butler and Druce)  
96. 4318. *Mitoura grynea grynea* (Hübner)  
97. 4322b. *Incisalia augustus croesioides* (Scudder)  
98. 4326c. *Incisalia henrici turneri* Clench  
99. 4328. *Incisalia niphon niphon* (Hübner)  
100. 4332. *Eurystrymon ontario ontario* (W. H. Edwards)  
101. 4335. *Parrhasius m-album* (Boisduval and Leconte)  
102. 4336. *Strymon melinus melinus* Hübner  
103. 4354a. *Brephidium isophthalma pseudofea* (Morrison)  
104. 4357. *Leptotes marina* (Reakirt)  
105. 4359a. *Hemiargus ceraunus antibubastus* Hübner  
106. 4360a. *Hemiargus isola alce* (W. H. Edwards)  
107. 4361. *Everes comyntas comyntas* (Godart)  
108. 4363. *Celastrina ladon ladon* (Cramer)  
109. 4386. *Calephelis virginiana* (Guérin-Méneville)  
110. 4410. *Libytheana bachmanii bachmanii* (Kirtland)  
111. 4413a. *Agraulis vanillae nigrior* Michener  
112. 4418a. *Heliconius charitonius tuckeri* W. P. Comstock and F. M. Brown  
113. 4420. *Polygonia interrogationis* (Fabricius)  
114. 4421. *Polygonia comma* (Harris)

115. 4432. *Nymphalis antiopa antiopa* (Linnaeus)  
 116. 4434. *Vanessa virginiensis* (Drury)  
 117. 4435. *Vanessa cardui* (Linnaeus)  
 118. 4437a. *Vanessa atalanta rubria* (Fruhstorfer)  
 119. 4439. *Hypolimnys misippus* (Linnaeus)  
 120. 4440. *Junonia coenia* (Hübner)  
 121. 4443a. *Anartia jatrophae guantanamo* Munroe  
 122. 4447. *Euptoieta claudia* (Cramer)  
 123. 4449. *Speyeria diana* (Cramer)  
 124. 4450. *Speyeria cybele cybele* (Fabricius)  
 125. 4476a. *Anthanassa texana seminole* (Skinner)  
 126. 4480. *Phyciodes phaon* (W. H. Edwards)  
 127. 4481. *Phyciodes tharos tharos* (Drury)  
 128. 4489. *Charidryas gorgone gorgone* (Hübner)  
 129. 4490. *Charidryas nycteis nycteis* (Doubleday)  
 130. 4516a. *Euphydryas phaeton ozarkae* Masters  
 131. 4522b. *Basilarchia arthemis astyanax* (Fabricius)  
 132. 5423a. *Basilarchia archippus floridensis* (Strecker)  
 133. 5423b. *Basilarchia archippus watsoni* dos Passos  
 134. 4554. *Anaea andria* Scudder  
 135. 4557. *Asterocampa celtis* (Boisduval and Leconte)  
 136. 4562. *Asterocampa alicia* (W. H. Edwards)  
 137. 4562.1. *Asterocampa clyton* (Boisduval and Leconte)  
 138. 4563. *Asterocampa flora* (W. H. Edwards)  
 139. 4568b. *Enodia portlandia missarkae* J. R. Heitzman and dos Passos  
 140. 4568.1. *Enodia anthedon anthedon* A. H. Clark  
 141. 4568.2. *Enodia creola* (Skinner)  
 142. 4569. *Satyrodes appalachia* (R. Chermock)  
 143. 4573. *Cyllopsis gemma gemma* (Hübner)  
 144. 4575. *Hermeuptychia sosybius* (Fabricius)  
 145. 4576. *Neonympha areolata areolata* (J. E. Smith)  
 146. 4578. *Megisto cymela cymela* (Cramer)  
 147. 4587a. *Cercyonis pegala abbotti* F. M. Brown  
 148. 4587b. *Cercyonis pegala alope* (Fabricius)  
 149. 4614. *Danaus plexippus* (Linnaeus)  
 150. 4615a. *Danaus gilippus berenice* (Cramer)

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